FOIL when $A \neq 1$ solution (version 11)

FOIL the expressions shown below:

1. $(3x - 8)(2x - 2)$

$$(3)(2)x^2 + (3)(-2)x + (-8)(2)x + (-8)(-2)$$
$$(6)x^2 + (-6)x + (-16)x + (16)$$
$$6x^2 - 22x + 16$$

2. $(-4x + 5)(-5x - 4)$

$$(-4)(-5)x^2 + (-4)(-4)x + (5)(-5)x + (5)(-4)$$
$$(20)x^2 + (16)x + (-25)x + (-20)$$
$$20x^2 - 9x - 20$$

3. $(4x - 7)(-5x + 6)$

$$(4)(-5)x^2 + (4)(6)x + (-7)(-5)x + (-7)(6)$$
$$(-20)x^2 + (24)x + (35)x + (-42)$$
$$-20x^2 + 59x - 42$$

4. $(-2x + 8)(-3x + 8)$

$$(-2)(-3)x^2 + (-2)(8)x + (8)(-3)x + (8)(8)$$
$$(6)x^2 + (-16)x + (-24)x + (64)$$
$$6x^2 - 40x + 64$$

5. $(4x + 5)(6x - 8)$

$$(4)(6)x^2 + (4)(-8)x + (5)(6)x + (5)(-8)$$
$$(24)x^2 + (-32)x + (30)x + (-40)$$
$$24x^2 - 2x - 40$$

FOIL the expressions shown below:

6. $(4x + 3)(2x - 8)$

$$(4)(2)x^2 + (4)(-8)x + (3)(2)x + (3)(-8)$$
$$(8)x^2 + (-32)x + (6)x + (-24)$$
$$8x^2 - 26x - 24$$

7. $(-6x + 5)(2x - 3)$

$$(-6)(2)x^2 + (-6)(-3)x + (5)(2)x + (5)(-3)$$
$$(-12)x^2 + (18)x + (10)x + (-15)$$
$$-12x^2 + 28x - 15$$

8. $(-5x - 8)(-6x + 7)$

$$(-5)(-6)x^2 + (-5)(7)x + (-8)(-6)x + (-8)(7)$$
$$(30)x^2 + (-35)x + (48)x + (-56)$$
$$30x^2 + 13x - 56$$

9. $(6x - 8)(7x + 5)$

$$(6)(7)x^2 + (6)(5)x + (-8)(7)x + (-8)(5)$$
$$(42)x^2 + (30)x + (-56)x + (-40)$$
$$42x^2 - 26x - 40$$

10. $(-4x + 4)(5x + 7)$

$$(-4)(5)x^2 + (-4)(7)x + (4)(5)x + (4)(7)$$
$$(-20)x^2 + (-28)x + (20)x + (28)$$
$$-20x^2 - 8x + 28$$